

Gel Type Strong Acid Cation Exchange Resin

#### Basic Features:

Application	Uniform Particle Size Resin version of C100E offering higher capacity and lower regenerant consumption
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic acid
Ionic form as shipped	Na <sup>+</sup>

#### Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Na <sup>+</sup>	1.90 eq/l
Total Capacity (min.)	Na <sup>+</sup>	41.48 kGr/ft <sup>3</sup>
Moisture Retention	Na <sup>+</sup>	46-50 %
Mean Size Typical		0.52-0.62 mm
Uniformity Coefficient (max.)		1.20
Reversible Swelling (max.)	Na <sup>+</sup> → H <sup>+</sup>	10 %
Reversible Swelling (max.)	Ca <sub>2</sub> <sup>+</sup> → Na <sup>+</sup>	8 %
Specific Gravity		1.27 g/ml
Shipping Weight (approx.)		795-830 g/l
Shipping Weight (approx.)		49.7-51.9 lbs/ft <sup>3</sup>
Temp Limit	H <sup>+</sup>	120 °C
Temp Limit	H <sup>+</sup>	250 °F
Temp Limit	Na <sup>+</sup>	140 °C
Temp Limit	Na <sup>+</sup>	285 °F
pH Limits		0-14



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